

Have grid paper for scaffold

Decimal Computation Unit – Dividing Decimals, part I

Aim: SW understand the algorithm for dividing two whole numbers
Estimate to determine reasonableness of answers

Do Now:

Tonight's Homework: Dividing decimals homework sheet

Class Notes:

Recall:

Dividend \div divisor = quotient

New Concept: Dividing Decimal/Whole numbers by whole numbers

Ex1. $1 \div 8$

Check

1. Place dividend in box with decimal and terminal zeros
2. Bring decimal point up to quotient
3. DMSB, watch:
 - zeros in quotient
 - bring down only one # at a time
 -

ex2.

Ex3. $3 \div 325$

$1.2 \div 16$

Lesson Practice:

$$17.92 \div 7$$

$$26.91 \div 39$$

$$0.0672 \div 48$$

$$21 \div 84$$

$$0.0324 \div 9$$

$$5 \div 8$$

Name: _____

Date: _____

Math: _____

Decimal Division – Whole/Decimal Number by Whole – **HOMEWORK**

Directions: You must show all your work to receive credit. Solve and check each problem.

1. $7 \div 8$	Check.
2. $17.52 \div 2$	Check:
3. $12.342 \div 22$	Check:

4. $74.664 \div 12$

Check.

5. $14.49 \div 7$

Check:

6. $8.848 \div 56$

Check:

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Decimal Computation Unit – Dividing Decimals, part II

Aim: SW SW understand the algorithm for dividing two decimal numbers
Estimate to determine reasonableness of answers

Do Now:

Tonight's Homework: Dividing decimals by decimals homework sheet

Class Notes:

Recall:

Equivalent fractions:

$$\frac{1}{2} = \frac{10}{20} = \frac{100}{200} \text{ etc}$$

* multiplying by powers of 10 does not change the problem as long as you do it to both!

New Concept: Dividing Decimal/Whole numbers by whole numbers

Ex1. $1 \div 0.05$

Check

1. Place dividend in box with decimal and terminal zeros
2. Move over decimal in divisor
3. Move over decimal in dividend and UP
4. DMSB, watch:
 - zeros in quotient
 - bring down only one # at a time
 -

ex2.

$$1.2 \div 0.16$$

Ex3. $0.03 \div 32.5$

Lesson Practice:
Solve and Check. Show all work.

a. $3.348 \div 6.2$

b. $2.4885 \div 0.35$

c. $0.0576 \div 0.012$

d. $268.8 \div 3.2$

Name: _____

Date: _____

Math: _____

Decimal Division – Decimal/Decimal Division – **HOMEWORK**

Directions: You must show all your work to receive credit. Solve and check each problem.

1. $123.5 \div 1.9$	Check.
2. $14.49 \div 6.3$	Check:
3. $1.512 \div 0.54$	Check:

4. $316.8 \div 7.2$

Check.

5. $2.484 \div 0.69$

Check:

6. $114.7 \div 3.7$

Check:

Have grid paper for scaffold
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Decimal Computation Unit – Dividing Decimals, part III – Repeating Decimals

Aim: SW SW understand the algorithm for dividing two decimal numbers
Estimate to determine reasonableness of answers

Do Now:

Tonight's Homework: Dividing decimals homework sheet

Class Notes:

Recall:

Repetend Bar – put over digits that repeat in a division problem

New Concept: Dividing Decimal/Whole numbers by whole numbers

Ex1. $2 \div 3$

Check

1. Place dividend in box with decimal and terminal zeros
2. Move over decimal in divisor
3. Move over decimal in dividend and UP
4. DMSB, watch:
 - zeros in quotient
 - bring down only one # at a time
5. Place repetend bar if starts to repeat

ex2. $10 \div 0.03$

Ex3. $0.5 \div 0.06$

Lesson Practice:
Solve and Check. Show all work.

a. $2 \div 9$

b. $23 \div 0.09$

c. $5.2 \div 0.03$

d. $7.8 \div 9$

Name: _____

Date: _____

Math: _____

Decimal Division –Decimal Operations Review – **HOMEWORK**

Directions: You must show all your work to receive credit. Solve and check each problem (if possible).

1. $1.21 \div 36$	Check.
2. $8.5 \div 9$	Check:
3. $0.16926 \div 0.091$	Check:

4. $1.456 \div 9.1$

Check.

5. $4 \div 9$

Check:

6. $0.56 \div 9$

Check:

Name: _____

Date: _____

Math: _____

Decimal Division –Decimal Operations Review – **HOMEWORK**

Directions: You must show all your work to receive credit. Solve and check each problem (if possible).

<p>1. Ms. Austin is spending 16 nights on vacation. The cost of her stay will be \$1672. What is the cost per night in dollars?</p>	<p>Check:</p>
<p>2. Janelle ran 5.67 miles on Sunday and 7 miles on Monday. How much farther did she run on Monday?</p>	<p>Check:</p>
<p>3. The area of a rectangle equals the width times the length. A flowerbed with a width of 1.2 meters has an area of 4.08 square meters. What is the length of the flowerbed?</p>	<p>Check:</p>

<p>4. The area of a rectangle equals the width times the length. What is the area of a rectangle with a width of 1.08 meters and a lengths of 2.5 meters?</p>	<p>Check.</p>
<p>5. Jay wants to walk a total of 25 miles a week. She walked 5 miles on Monday, 6.8 miles on Tuesday, 0.4 miles on Wednesday, 2.3 miles on Thursday, and 3 miles on Friday.</p> <p>A. How much farther does she have to walk?</p>	<p>Check</p>
<p>B. If she wants to split the mileage evenly over Saturday and Sunday, how far should she walk each day?</p>	<p>Check:</p>

